

REMARKS

In the Advisory Action mailed on December 28, 2005 the Examiner maintained the rejection of claims 1-47. By the present Response, claims 1, 5, 7, 8, 10-13, 19, and 20 are amended. Support for these amendments can be generally found in paragraphs 35 and 38 of the application. Claims 3, 9, 14-18 and 21 are hereby canceled or where previously canceled. New claims 22-26 are hereby added. Therefore, claims 1, 2, 4-8, 10-13, 19, 20, and 22-26 are currently pending. Reconsideration of the pending claims is respectfully requested.

Independent Claim 1

Independent claim 1 has been amended to recite that “the insulator is generally parallel to the rotor shaft” in addition to being on the same side of the target as the motor rotor system. After review of U.S.P.N. 4,577,340 (“the Carlson ‘340 reference”), U.S.P.N. 6,819,741 (“the Chidester reference”), and U.S.P.N. 5,978,447 (“the Carlson ‘447 reference”), Applicants believe this subject matter to be absent from the respective references. In particular, the Carlson ‘340 and ‘447 references do not appear to discuss insulators at all or do not describe an insulator having these particulars. Further, the Chidester reference does not discuss an insulator that is on the same side of the target as the motor. Thus, claim 1 as amended is believed to be allowable over the art of record. Reconsideration and allowance of claim 1 as amended, and those claims depending from claim 1, is respectfully requested.

Independent Claim 7

Independent claim 7 has been amended to recite that “the X-ray tube provides axial coverage of up to 80 mm from the focal spot.” After review of the Carlson ‘340 reference, the Chidester reference, and the Carlson ‘447 reference, Applicants believe this subject matter to be absent from the respective references. In particular, none of the art of record appears to discuss an X-ray tube having these particulars. Thus, claim 7 as amended is believed to be allowable over the art of record. Reconsideration and allowance of claim 7 as amended, and those claims depending from claim 7, is respectfully requested.

Independent Claim 19

Independent claim 19 has been amended to recite that “the X-ray tube withstands up to 65 g of stress in operation.” After review of the Carlson ‘340 reference, the Chidester reference, and the Carlson ‘447 reference, Applicants believe this subject matter to be absent from the respective references. In particular, none of the art of record appears to discuss an X-ray tube having these particulars. Thus, claim 19 as amended is believed to be allowable over the art of record. Reconsideration and allowance of claim 19 as amended, and those claims depending from claim 19, is respectfully requested.

Independent Claim 22

Independent claim 22 recites that “the X-ray tube provides high-voltage stability of up to 200 kV in operation.” After review of the Carlson ‘340 reference, the Chidester reference, and the Carlson ‘447 reference, Applicants believe this subject matter to be absent from the

respective references. In particular, none of the art of record appears to discuss an X-ray tube having these particulars. Thus, claim 22 as amended is believed to be allowable over the art of record. Reconsideration and allowance of claim 22 as amended, and those claims depending from claim 22, is respectfully requested.

Conclusion

In view of the remarks and amendments set forth above, Applicant respectfully requests allowance of the pending claims. If the Examiner believes that a telephonic interview will help speed this application toward issuance, the Examiner is invited to contact the undersigned at the telephone number listed below.

Respectfully submitted,

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